



Express Mail Label: EL864968531

Case No.: 1321-01

COMMISSIONER FOR PATENTS  
Washington, DC 20231

A standard linear barcode is positioned above the number 22469.

UC872 U.S. PTO  
10/045316 11/07/01

Transmitted herewith for filing is the patent application of

**PATENT TRADEMARK OFFICE**

Inventor(s): Hiroki Nakamaru, Haruhiko Miyazawa and Yoshiie Kato

For: REMEDIATION METHOD OF MEDIA AND IRON POWDER FOR DEHALOGENATION OF HYDROGENATED HYDROCARBONS

Also enclosed are:

2 Sheets of drawings

Recordation Form Cover Sheet - Patents Only and an Assignment of the invention to

Postcard and Express Mail Certification

The filing fee has been calculated as shown below:

0 5 5 3	NO. OF CLAIMS FILED		NO. OF CLAIMS FROM BASIC FEE	NO. OF EXTRA CLAIMS
TOTAL	12	-	20 =	
INDEP.	2	-	3 =	
First presentation of multiple dependent claim				

SMALL ENTITY	
RATE	BASIC FEE \$370.
x 9 =	\$
x 42 =	\$
+ 140 =	\$

OTHER THAN SMALL ENTITY	
RATE	BASIC FEE \$740.
x18 =	\$0
x84 =	\$0
+280 =	\$0

**TOTAL FEE \$**      **OR**      **\$740.00**

A check in the amount of \$740.00 is enclosed to cover the official filing fee for a large entity.

A check in the amount of \$ \_\_\_\_\_ is enclosed to cover the official filing fee for a small entity.

X A check in the amount of \$40.00 is enclosed to cover the recordal fee.

Please charge my Deposit Account No. 13-3405 in the amount of \$                   . A duplicate copy of this sheet is enclosed.

X In regard to this communication, the Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR §1.16 and any additional patent application processing fees under 37 CFR §1.17 or credit any overpayment to Deposit Account No. 13-3405. A duplicate copy of this sheet is enclosed.

X During the pendency of this application, the Commissioner is hereby authorized to charge payment of any filing fees for presentation of extra claims under 37 CFR §1.16 and any patent application processing fees under 37 CFR §1.17 or credit any overpayment to Deposit Account No. 13-3405. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

  
T. Daniel Christenbury  
Registration No.: 31,750  
Attorney for Applicant(s)

TDC:gj  
(215) 563-1810

**SCHNADER HARRISON SEGAL & LEWIS  
INTELLECTUAL PROPERTY DEPARTMENT  
36th Floor  
1600 Market Street  
Philadelphia, PA 19103**

Jc872 U.S. PRO  
10/045316  
11/07/01

**TELEPHONE (215) 563-1810  
FACSIMILE (215) 568-6946 OR (215) 564-2535  
PROCOMM PLUS (215) 563-8220**

**FACSIMILE TRANSMITTAL**

**To:** Santissa Inman

**Company:** USPTO

**Facsimile No.:** (703) 305-9822

**From:** T. Daniel Christenbury

**Date:** April 2, 2002

**Re:** U.S. Serial No. 10/045,316

**Docket No.:** 1321-01

**Number of Pages (including cover page):** 7

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**Additional Instructions/Comments:** Per your request of April 1, 2002.

100-54016-141203

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



22469

PATENT TRADEMARK OFFICE

10072 U.S. PTO  
10/045316  
11/07/01

Art Unit : Santissa Inman  
 Examiner : 10/045,316  
 Serial No. : November 7, 2001  
 Filed : Hiroki Nakamaru  
 Inventors : Haruhiko Miyazawa  
 : Yoshiei Kato  
 Title : REMEDIATION METHOD  
 : OF MEDIA AND IRON  
 : POWDER FOR  
 : DEHALOGENATION OF  
 : HYDROGENATED  
 : HYDROCARBONS

Docket No.: 1321-01  
 Confirmation No.:  
 Dated: March 18, 2002

Commissioner for Patents  
 Washington, DC 20231

Sir:

Certificate of Facsimile Transmission

For

Transmittal Letter  
 Replacement Express Mail Certificate  
 Replacement Page 24 (Abstract)  
 Replacement Drawings (2 sheets)

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Name of Applicant, Assignee, Applicant's Attorney  
 or Registered Representative:

Schnader Harrison Segal & Lewis LLP  
Customer No. 022469

By: \_\_\_\_\_ *TR*

Date: \_\_\_\_\_ *2 APR 2002*

10072 U.S. PTO  
10/045316  
11/07/01

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



22469

PATENT TRADEMARK OFFICE

JC 972 U.S. PTO  
10/045316  
11/07/01



Art Unit	:	Santissa Inman	
Examiner	:	10/045,316	
Serial No.	:	November 7, 2001	
Filed	:	Hiroki Nakamaru	Docket No.: 1321-01
Inventors	:	Haruhiko Miyazawa	
	:	Yoshiei Kato	
Title	:	REMEDIAL METHOD OF MEDIA AND IRON POWDER FOR DEHALOGENATION OF HYDROGENATED HYDROCARBONS	Confirmation No.:
			Dated: March 18, 2002

TRANSMITTAL LETTER

Commissioner for Patents  
Washington, DC 20231

Sir:

At the request of the Examiner, we submit herewith replacement pages for the originally-filed, irradiated pages in the above-identified application as follows:

Express Mail Certificate  
Page 24 (Abstract)  
2 Sheets of Drawings

I hereby certify that these pages are from the original application and request that they be entered into the Official File.

Respectfully submitted,

  
T. Daniel Christenbury  
Reg. No. 31,750  
Attorney for Applicants

TDC:lh  
(215) 563-1810

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



22469

PATENT TRADEMARK OFFICE

1c972 U.S. PTO  
10/045316  
11/07/01



Art Unit :  
 Examiner :  
 Serial No. :  
 Filed :  
 Inventors : Herewith  
                   Hiroki Nakamaru  
                   Haruhiko Miyazawa  
                   Yoshiei Kato  
 Title : REMEDIATION METHOD  
           OF MEDIA AND IRON  
           POWDER FOR  
           DEHALOGENATION OF  
           HYDROGENATED  
           HYDROCARBONS  
 Docket No.: 1321-01  
 Confirmation No.:  
 Dated: November 7, 2001

Box Patent Applications  
 Commissioner for Patents  
 Washington, DC 20231

## EXPRESS MAIL CERTIFICATION

37 C.F.R. §1.10

Express Mail Label No.: **EL864966376US**Date of Deposit: **November 7, 2001**

Description of Contents: Postcard, \$740.00 Check, \$40.00 Check, Application Transmittal Letter, in duplicate, Specification including claims and abstract, two (2) sheets of drawings, executed Combined Declaration, Power of Attorney and Petition, Recordation Form Cover Sheet - Patents Only and executed Assignment.

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to **Box Patent Applications, Commissioner for Patents, Washington, DC 20231**.

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